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• ————— THE ————— •
IMPROVED • DIAGRAM • SYSTEM
• ————— OF ————— •
• Ladies' and Children's •
DRESS AND GARMENT CUTTING.

MRS. J. G. KINSLOW, PROPRIETOR, LYNN, MASS.

Entered according to Act of Congress in the the year 1888, by MRS. J. G. KINSLOW, in the
Office of the Librarian of Congress, at Washington, D. C.

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The Improved Diagram System

OF

LADIES' AND CHILDREN'S DRESS AND GARMENT CUTTING IS THE MOST PERFECT NOW IN USE

∴ FOR THE FOLLOWING REASONS: ∴

It is scientific in principle and easily learned.

It is an actual measurement system.

Its method of measuring the form is the most correct one.

It fits all forms perfectly, and requires no refitting.

It is a complete diagram of the garment.

Its sleeve system is easy to learn and is perfect in style and fit.

And finally, it combines the accuracy of the Tailor, with grace and style of the Dressmaker, and is in fact a combination of the best ideas of both.

DIRECTIONS FOR MEASURING.

Slip the *measuring-form* over the *left* arm pointed end toward the back, and *straight-edge* underneath; push it up *close* in the arm-pit with front edge of inside curve resting against the shoulder; while in this position, place a pin at the intersection of the points marked A; pass the tape from this (first) pin in a *straight line* to centre of back, and there place (second) pin.

- BACK. { Half, 1. Measure from *neck-bone* to *second* pin.
 Length, 2. Measure from *neck-bone* to bottom of waist.
 Width, 3. Measure from 2 inches above *second* pin to shoulder-edge.

Back measures should be taken *full*.

- FRONT. { Side, 1. Measure from *first* to *second* pin.
 Shoulder, 2. Measure from *first* pin to *neck-bone*.
 Arm-Size, 3. Measure around arm *close* to *shoulder*.

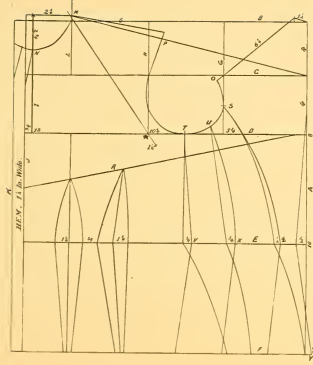
Front measures should be taken tight.

- ROUND. { Bust, 1. Measure around the *fullest* part while standing *behind*.
 Waist, 2. Measure around the *smallest* part, while standing *behind*.
 Hip, 3. Measure around 7 inches below waist, adding 5 inches to measure.

Round measures should be taken close.

DIAGRAM I.

DRAFT OF WAIST.



(5)

- Back, 8, 16, $5\frac{3}{4}$.
- Front, $10\frac{1}{4}$, 11, 14.
- Round, 36, 26, 48.

DIRECTIONS FOR DRAFTING.

Place *square* on paper, short arm to right and from you; draw line A, then B, dot at 8 inches (first back measure) on line A, draw line D, dot at one-half the distance between lines D and B, then draw line C, dot at 16 inches (second back measure), draw line E, add 7 inches to this measure for skirt and draw line F.

Place *long* arm of *square* on line D, short arm to right, dot at $5\frac{3}{4}$ inches (third back measure), draw line G, dot again on same line (D) at $10\frac{1}{4}$ inches (first front measure), draw line H, dot again at 18 inches or one half of bust (first round measure), draw line I, add $\frac{3}{4}$ inch, draw line J, add $1\frac{1}{2}$ inches for hem and draw line K.

Dot at $1\frac{1}{4}$ inches from line A on line B; draw line from $\frac{1}{4}$ inch above dot, to a point (marked O) $\frac{1}{2}$ inch beyond where lines C and G intersect.

Dot at $2\frac{3}{4}$ inches *in* from line I on line C, then draw line L. The *square* can now be laid aside and *measuring-form* taken. Place the *straight-edge* of *form* (obverse side) *uppermost diagonally* across the pattern, from a point $1\frac{1}{4}$ inches *beyond* the place marked with *star*, to a point marked M on line L, which can be *located* when the (2d front measure) 11 inches *intersects* line L; draw diagonal line from this point (M) to angle made by lines C and A; measure length of back shoulder seam, then mark off same length less $\frac{1}{4}$ inch on diagonal line for front shoulder seam.

Draw straight line from point M $2\frac{3}{4}$ inches towards front, measure down line I same distance; draw curve of neck with *obverse side* of *form* from it to M; draw slight curve from N to line J.

with *reverse* side of *form* : draw curves of arm size from O to P, in square space bounded by lines G, D and H. Measure arm-size opening by figures on *measuring-form*, and, if short of required measure, add on the front shoulder the necessary amount to bring it up. If too long, cut off from front shoulder. (This measure falls short and one inch has to be added as shown in diagram.) Deduct one-half waist-measure (13 inches) from one-half bust-measure (18 inches), the difference will be 5 inches, which will have to be *taken up* in *two darts* and *two spaces* between side seams. Placing $1\frac{3}{4}$ inches in each dart, $\frac{3}{4}$ inch in each space between seams V and X will *contract* the waist to the proper size. Should the amount to be *taken up* be more or less than 5 inches on another measure, alter the width of darts and spaces accordingly.

To locate the darts : Place the *form reverse side up*, straight edge along line E, *pointed* end touching line J. Mark in the *four notches* on edge of *form*, which will give the width and location of two $1\frac{3}{4}$ inch darts with $\frac{3}{4}$ inch space between them. Should you wish a *wider* or *narrower* dart measure them off by 15 inch rule on other side of *form*, allowing same distance from line J, and $\frac{3}{4}$ inch space between them.

Make a cross exactly in the centre of each dart on line E : measure up 5 inches on line J from line E, run diagonal line (R) from this point to angle of lines D and A. Place *straight-edge* on *cross* in *first* dart and draw straight line from line R to F : place *straight-edge* on cross in second dart and draw line from R to E, that shall incline $\frac{1}{2}$ inch towards back at top of line : extend this line from E to F, inclining towards back $\frac{1}{2}$ inch at bottom.

To shape *lower* part of darts : Draw four inclined lines from dart marks to points on line F $\frac{1}{2}$ inch each side of centre line already drawn.

To shape *upper* part of darts : Place the mark B on *inside* curve of form at the *top* of centre dart lines ; draw four curved lines to dart marks on line E—two can be drawn with *obverse* side, the other two with reverse side up.

To *shape back* : Dot $\frac{1}{2}$ inch from line A on line E, run inclined line from mark to angle of lines D and A, extend line down to F running outside line A, $\frac{1}{2}$ inch at bottom ; make second dot on line E, $1\frac{1}{4}$ inches from first one for width of back ; dot at (S) on line G, one half distance between lines D and C, with *reverse* side of *form up* and pointed end down ; draw curved back line (W) ; slip the *form* $\frac{1}{4}$ inch towards front and draw second curved line.

Place mark T in *centre* of arm-size on line D, run straight line down to line F, dot at $\frac{3}{4}$ inch towards back (for first space between seams), run line V back to T.

Place mark (U) on *back-curve* of arm-size one-half distance between T and S ; place mark on line E, one-half distance between V and W ; divide the $\frac{3}{4}$ inch space still to be taken out on each side of this mark and run lines X back to U.

To form skirts : Continue line W down to F, at an opposite angle from the line ending at Y, continue down lines X and V at same angle.

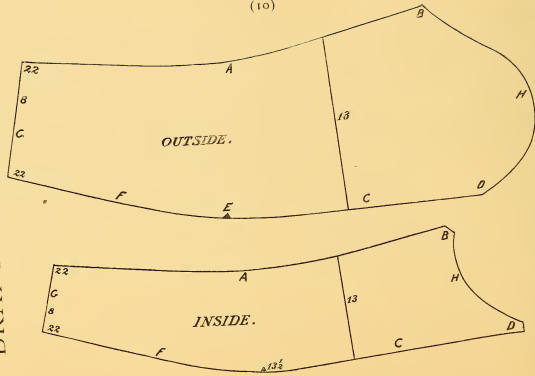
The three unlettered lines ending at E should be continued down to F with the slightly curved edge of *form*. The one nearest W should end near angle of lines A and F. The other two may be run down at about the same angle as first one.

Measure the different parts of the skirt along line F, deducting 2 inches for the lower part of darts. Should the result agree with one-half hip-measure, the skirt is correct; should it overrun or fall short the skirt-lines may be altered accordingly.

The *rules* and *directions* as applied in *this* measure are used the *same* for *all* measures *excepting* where the person is *very large* or *small*; *then* such changes *may be made* as will readily suggest themselves to one of very *moderate* experience in drafting. For instance: should a larger neck be desired, make the opening in front 3 inches wide and deep; for smaller neck make $2\frac{1}{2}$ inches, changing the width at back of neck accordingly. The darts may be made larger or smaller than $1\frac{3}{4}$ wide, or one dart not over 3 inches wide may be put in place of two. The height of them may be raised or lowered if the person is very long or short waisted. A *pattern*, after being *drafted*, is *not to be cut out*, but is placed on the *lining* and a tracing wheel run over *all* the lines. Cut out lining allowing for *seams outside* the tracing lines; allow *extra amount* on *side* and *shoulder* seams; baste up garment and *stitch in tracing lines*.

This system may be readily learned after a lesson by teacher; by a careful study of the directions as applied in the diagram and applying the same to another measure.

DIAGRAM 2.
DRAFT OF SLEEVE.



Sleeve—13, 8, $13\frac{1}{2}$, 22.

DIRECTIONS FOR MEASURING SLEEVE.

- 1st—Arm. Pass the tape around arm one-half distance between elbow and shoulder, adjusting the measure to size sleeve should be when finished.
- 2d—Hand. Measure around the open hand at knuckles including thumb, adjusting the measure to size desired.
- 3d—Elbow. Measure from point where back seam of sleeve enters arm-size, to elbow.
- 4th—Length. Measure from same place to wrist joint.
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DIRECTIONS FOR DRAFTING.

To draft *outside* of sleeve: Place the *chart* on paper *straight-edge* toward you, mark arm-measure (13 inches) in top row of holes, mark *same* measure in *diagonal* row of holes, mark size of hand (8 inches) in *outside* row of holes at bottom, mark length (22 inches) in *same row* of holes, mark *same* measure in *notches* on *front edge* of chart. *Holding chart in same position*, draw curved line A from bottom to point B. slip *chart over* till *straight-edge* rests on the two marks previously made.

Draw line C from D to E. The mark, (E) is *located* by *elbow-measure* ($13\frac{1}{2}$ inches) in the *notches* on *straight-edge*; slip *chart* up till *lower notch* (14) rests on point E; with lower curved edge

of chart resting on mark at *hand* measure, draw line F; draw line G *across* bottom at *marks* made for *length* of sleeve; place notch 13 in *top* curve of chart on point B, draw top curve of sleeve to D.

To draft *inside* of sleeve: Place *chart* on paper, straight-edge *toward* you, mark *arm*-measure (13 inches) in *lower* row of holes at *top* of chart, dot in next hole in front ($12\frac{1}{2}$), mark *arm*-measure (13 inches) in *diagonal* row of holes, mark size of *hand* (8 inches) in *inside* row of holes at *bottom*, mark length (22 inches) in *same* row of holes, mark *same* measure in row of holes marked I in figure four, place mark in hole J, also marks in holes at K. Slip chart over till straight-edge rests on marks already made, draw line C from D to E, which mark (E) is located by the *elbow*-measure ($13\frac{1}{2}$ inches) in the *notches* on the *straight-edge*, slip *chart* up till lower notch (14) rests on point E, with lower curved edge of chart resting on mark at *hand*-measure draw line F. Draw line G *across* bottom at marks made for *length* of sleeve. With *curved* front edge of *chart*, draw line A from B to mark *already* made in hole J, slip the chart *up* and *extend* line to bottom. Turn *chart round* curved-edge toward you, place notch in *top* curve on mark at B, draw line H to mark at D. Cut cloth same size as pattern, $\frac{3}{8}$ inch has been allowed for seams. These rules and directions will apply to all measures covered by the chart.

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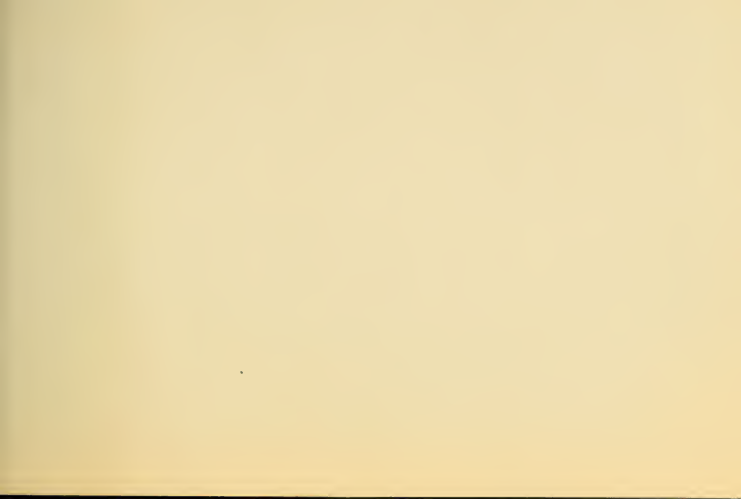
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